

My fascination with machines followed me during the whole graduation process. In both research and design I was trying to explore how can architecture reflect the machinery and industry on its facades and inside composition. The research of what exactly makes industrial architecture so atmospheric was to be translated into the re-use of post-industrial areas while keeping its heritage and atmosphere. In addition to the artistic side of machine architecture, I was focusing on the technical side. Researching the structures on site, in models and sketches their relation to the function and operation was a great step towards what to focus on during my design and how to use the existing elements in my design.

My topic touches upon a common architectural dilemma: How do we re-use abandoned areas and their structural elements. How to successfully rehabilitate an area with architectural elements so it ignites life between buildings. In addition, I understand exploring my own beliefs and fascinations for specific architecture as a major part of architecture studies. Besides the objective research, I think that subjective interests and points of view on architecture should be developed during the last years of studies with enough knowledge on how to create a good design. I had a chance to develop my architectural language and interests during the Explore Lab graduation studio.

The research was focusing more on the visual and artistic sides of the technology but explored also the meaning of the functions in the architectural composition. What started as post-industrial site-analysis and case-study research of architects that have expressed the industry and machines in their work has become hands-on research on the clash between expression and function. This was explored by models, diagrams and sketches to simplify and understand the problem more clearly.

As a design question, I tried to tackle the problem of energy-dependent residential architecture while keeping in mind the powerless industrial complexes. The design was supposed to bring a solution to a possible power-outage as well as it also criticizes the generative design of passive housing in our culture as the misleading regulations and technology change our environment at the expense of architecture.

The biggest challenge was to create a comfortable living at nearly no energy consumption while not decreasing life comfort. Later, the design shifted from the idea of a No-energy house as it would need much more time to come to a working prototype, towards an energetical autocracy on the site of Landschaftspark. This has brought a question of how can the new extension be connected to the rest of the structures and re-use the technology and material that is available on site. The design focuses on the architecture as a machine. Not only as a technological machine that mediates water, heat and power, but also as a social machine that sparks life again.